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The Chemical Company



MR#352349

2013 FEB 25 11:00

2013 FEB 25 11:00

February 25, 2013

Via Federal Express

United States Environmental Protection Agency - East
Attn: TSCA Section 8(e)
Room 6428
1201 Constitution Avenue, NW
Washington, DC 20004



Subject: Notice in Accordance with TSCA Section 8(e): Results of a toxicity study in the unicellular freshwater green alga *Desmodesmus subspicatus* with CAS No. 94270-86-7

Dear Section 8(e) Coordinator:

BASF Corporation is submitting results of a toxicity study in the unicellular freshwater green alga *Desmodesmus subspicatus* with 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-ar-methyl-, CAS No. 94270-86-7. The substance is a lubricant additive.

The study was conducted according to the principles of OECD 201 and Council Regulation (EC) No. 440/2008/ Method C.3 from 2013-01-07 to 2013-01-11, with the definitive exposure from 2013-01-08 to 2013-01-11 at DR.U.NOACK-LABORATORIEN in 31157 Sarstedt, Germany. The aim of the study was to assess the effects on growth rate and yield over a period of 72 hours.

The study was conducted under static conditions with 5 water accommodated fractions: 0.625 - 1.25 - 2.50 - 5.00 - 10.0 mg/L. All test loadings of the test substance and the control were analytically verified by HPLC-DAD at the start and the end of the exposure. The measured concentrations of test substance were in the range of 99 to 107 % of the nominal values. All effect values are based on the nominal concentrations of the test item. The growth inhibition results of the test item are summarized in Table 1.

Table 1: EL-values and 95 % Confidence Intervals of 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-ar-methyl- (0-72 hours) based on nominal test item concentrations [mg/L]

| | Inhibition of Growth Rate |
|--------------------------------|---------------------------|
| E _r L ₁₀ | 0.658 (0.625 – 0.751) |
| E _r L ₂₀ | 0.761 (0.691 – 0.837) |
| E _r L ₅₀ | 0.976 (0.910 – 1.03) |
| | Inhibition of Yield |
| E _y L ₁₀ | < 0.625 |
| E _y L ₂₀ | < 0.625 |
| E _y L ₅₀ | 0.762 (0.678 – 0.838) |



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$E_{rL_{50}}$: Effective loading of the test substance resulting into 50% growth inhibition

$E_{yL_{50}}$: Effective loading of the test substance resulting into 50% inhibition of yield

BASF Corporation understands that reporting of the results from this study under TSCA 8(e) is in accordance with EPA's policy.

Please note the technical contact and address below and direct all correspondence regarding this submission accordingly. If you have any questions, please call (248) 948-2051.

Sincerely,

Technical Contact: Alisa Boucher

A handwritten signature in cursive script that reads "Alisa Boucher".

BASF Corporation
Product Regulatory Center of Expertise – North America
26701 Telegraph Road, Southfield, MI 48033

/enclosures

1464th_Letter.doc

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 Alisa Boucher
 BASF
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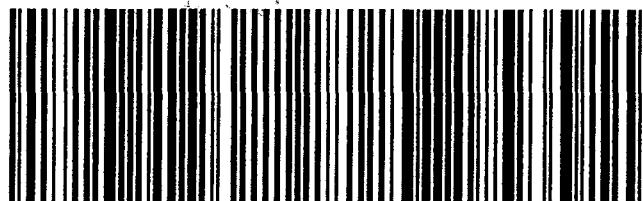
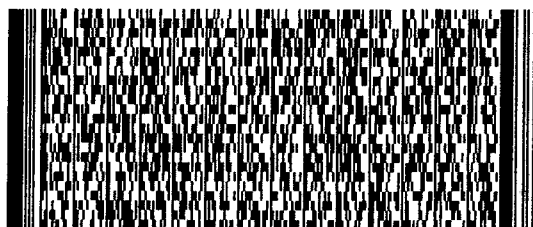
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